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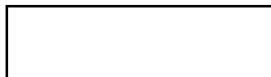
**Basic Imagery Interpretation Report**



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**SHUANG CHENG TZU SSM SUPPORT FACILITY  
(SHUANGCHENG TZU SSM HOUSING AND SUPPORT AREA)**



25X1A

**MISSILE RANGES--STRATEGIC SSM & SPACE FACILITIES**

**CHINA**

**JANUARY 1970**

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Shuang cheng tzu SSM Support Facility		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	
NA	41-15-59N 100-20-26E	
MAP REFERENCE		

SAC. USATC 200, Sheet 0287-16HL, 2d ed., Apr 68, scale 1:200,000 (SECRET)

#### ABSTRACT

The Shuangchengtzu SSM Housing and Support Area (SSM Support Facility), consisting of a housing area, a meteorological station, a vehicle and equipment maintenance and storage area, an observation blockhouse, and a defensive strongpoint, provides direct support to the SSM launch complexes.

The northwest portion of the vehicle and equipment maintenance and storage area has been walled off from the remainder of the area, and a new road connects this area to the drive-in wing of the nearby large C-shaped building.

A defensive strongpoint with weapons positions similar to those associated with suspect advanced weapons-related facilities (SAWRFs) is under construction west of the housing area. Approximately 3.05 kilometers (km) (10,000 feet) of personnel trenches have been constructed around the perimeter of the SSM housing and support area.

This basic report update describes minor changes in the area [redacted] and includes a location map, two annotated photographs, and a tabulation of missile-related equipment observed [redacted]

#### INTRODUCTION

The Shuangchengtzu SSM housing and support area is approximately 1.4 kilometers (km) east of the main access road of the complex and approximately 1.5 nautical miles (nm) east-southeast of launch complex A (Figure 1). The support facility provides direct support to the SSM launch complexes and contains a housing area, a meteorological station, a vehicle and equipment maintenance and storage area, an observation blockhouse, and a defensive strongpoint.

This report supplements information contained in NPIC TCS-80345/67<sup>1</sup> and describes changes to existing facilities and new construction [redacted]

#### BASIC DESCRIPTION

##### HOUSING AREA

There have been relatively few changes in the housing area since [redacted] the date of the latest photography used in the existing basic report.<sup>1</sup>

One small building was added [redacted] Five additional personnel bunkers were constructed [redacted]

The garden plot area has been tripled in size [redacted] and several of the animal pens have been enlarged (Figure 2).

##### METEOROLOGICAL STATION

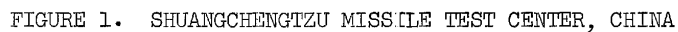
The only change in this area is the addition of a small building [redacted] and two personnel bunkers [redacted]

The van-mounted probable END TRAY radar, used to track high altitude weather balloons, is normally observed on the circular hardstand (Figure 2).

##### VEHICLE AND EQUIPMENT MAINTENANCE AND STORAGE AREA

Transporter-erectors and other equipment seen in this area [redacted] are listed chronologically by mission and date in Table 1.

[redacted] building wing was constructed to connect two storage buildings located along the northern edge of the vehicle and equipment maintenance and storage area. A year later, in [redacted] additional wing was observed



25X1D on the western end of this building [ ] the northwest section  
of the maintenance and storage area had been separately secured by lightly  
25X1D constructed walls. Access is provided by a new road, first observed [ ] 25X1D  
[ ] which connects this secured area to the adjacent C-shaped building  
(Figure 2). The large C-shaped building may have a missile-related function.  
The three-story center section and the two-story eastern wing have drive-in  
capabilities with entrances on the southern sides.

#### OBSERVATION BLOCKHOUSE

25X1D Only one apparent change is noted at the concrete observation blockhouse  
25X1D that was constructed [ ] on the side of a hill approximately 472 meters  
(1,550 feet) west of the housing area [ ] a new cable scar was  
25X1D observed between the blockhouse and the cable scar connecting SSM instrumenta-  
25X1D tion sites 6 and 10 (Figure 3) [ ] block-  
house has personnel entrances on the northwest and southeast ends and is served  
by a graded-earth road along the western side. An unidentified [ ] 25X1D  
[ ] high tower and a [ ] building occupy 25X1  
the top of the hill on which the blockhouse is located.

#### DEFENSIVE STRONGPOINT

25X1D Defense of the SSM housing and support area is provided by approximately  
3.05 kilometers (10,000 feet) of personnel trenches integrated with a defensive  
strongpoint. The trenches on the northern, southern, and western approaches  
were first observed [ ] The eastern approach, which is devoid  
of trenches, is provided limited protection by the Ochina River.

The strongpoint, approximately 463 meters (1,520 feet) west of the housing  
area, consists of four weapons positions, two bunkers, two earth-covered struc-  
tures, and an H-shaped structure (Figure 3).

#### Weapons Positions

25X1D The weapons positions and bunkers are similar to those associated with the  
suspect advanced weapons-related facilities (SAWRFs). When complete, each  
position will be aligned on a northwest-to-southeast axis and will consist of  
an earth-mounded structure connected by a pair of concrete wheel guides or rail  
foundations to a nearly circular hardstand.

25X1D Two of the four weapons positions were observed under construction in  
25X1D [ ] and were probably complete [ ] They are 228 meters  
25X1 (750 feet) [ ] southwest of the observation blockhouse.  
The westernmost of the two positions contains a [ ] 25X1D  
25X1 [ ] earth-mounded, drive-through structure. The other position contains a  
25X1D [ ] earthmounded structure with a drive-in  
entrance at its southeast end. A three-meter- (10-foot-) diameter concrete  
hardstand is located approximately [ ] from the entrance of  
the drive-in structure, and a similar hardstand is located an equal distance  
from the northwest entrance of the drive-through structure. Two parallel, con-  
crete wheel guides or rail foundations connect each of the structures to its  
hardstand.

25X1D The remaining two weapons positions were observed under construction in  
[ ] one between the observation blockhouse and the drive-in structure  
and the other between the drive-in and drive-through structures (Figure 3).  
Construction of these positions is not complete.

#### Bunkers

25X1D The two bunkers, each [ ] were first  
25X1D observed under construction [ ] approximately 107 meters (350 feet)  
south of the weapons positions. They are still under construction (Figure 3).

#### Earth-Covered Structure

25X1D [ ] diameter 25X1  
earth-covered structures were constructed in two excavations along the eastern  
base of the hill on which the observation blockhouse is located [ ] 25X1D  
one of the new personnel trenches discussed above had been extended to the  
entrance of the northernmost of these earth-covered structures.

#### H-Shaped Structure

The earth-covered, H-shaped structure, consisting of concrete, archroofed  
2.0-meter- (6.5-foot-) wide corridors, was constructed on top of a small hill

25X1D  
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approximately 559 meters (1,835 feet) southwest of the observation blockhouse.

The corridors were constructed on a 3-meter- (10-foot-) wide concrete base [redacted] and were backfilled and completely earth covered [redacted] (Figure 3).

The [redacted] long central corridor of the H-shaped structure is oriented generally northwest to southeast. A small [redacted] long corridor is located at right angles to the central corridor at its mid-point. Cross corridors have been constructed at and perpendicular to each end of the central corridor. The northwestern cross corridor [redacted] feet) long, and the southeastern one [redacted] Personnel entrances at both ends of the cross corridors provide access to the earth-covered structure. The two entrances to the northwest corridor are connected to personnel trenches which extend outward approximately [redacted] from the entrance on the west end of the corridor and [redacted]

[redacted] from the entrance on the east end. A [redacted] bunkered structure is located at the end of each trench. Access to the trench, and thereby, to the entrances to the H-shaped structure, is provided via these bunkered structures (Figure 3).

25X1D

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Table 1. Activity Chronology, Shuangchengtzu SSM Support Facility

Motor Pool	Parking Area West of Motor Pool
5 vehicles/pieces of equipment	
7 vehicles/pieces of equipment	1 vehicle/piece of equipment
8 vehicles/pieces of equipment	
10 trucks	1 truck
1 small van trailer	
2 vehicles/pieces of equipment	
5 Vehicles/pieces of equipment	
2 vehicles/pieces of equipment	2 vehicles/pieces of equipment
8 vehicles/pieces of equipment	1 vehicle/piece of equipment
7 trucks	1 truck
2 small open trailers	1 vehicle/piece of equipment
1 probable bus	
1 vehicle/piece of equipment	
2 vehicles/pieces of equipment	
9 trucks	1 vehicle/piece of equipment
2 small open trailers	
5 vehicles/pieces of equipment	
4 vehicles/pieces of equipment	
1 possible transporter erector*	
7 vehicles/pieces of equipment	1 vehicle/piece of equipment
7 vehicles/pieces of equipment	
4 vehicles/pieces of equipment	
13 trucks	1 truck
1 small trailer	1 vehicle/piece of equipment
3 vehicles/pieces of equipment	
1 small open trailer	1 truck
2 vehicles/pieces of equipment	1 van trailer
1 vehicle/piece of equipment	1 vehicle/piece of equipment
2 vehicles/pieces of equipment	
1 vehicle/piece of equipment	
2 vehicles/pieces of equipment	1 vehicle/piece of equipment
5 vehicles/pieces of equipment	2 vehicles/pieces of equipment
3 trucks	1 truck
1 small open trailer	1 bus
4 vehicles/pieces of equipment	
2 vehicles/pieces of equipment	
8 vehicles/pieces of equipment	3 vehicles/pieces of equipment
2 vehicles/pieces of equipment	1 bus
	1 vehicle/piece of equipment
2 transporter erectors	
4 trucks	
2 vehicles/pieces of equipment	
2 transporter erectors	2 trucks
7 trucks	
1 small open trailer	
7 vehicles/pieces of equipment	
2 probable transporter erectors	1 vehicle/piece of equipment
9 vehicles/pieces of equipment	
2 transporter erectors	
3 trucks	
1 vehicle/piece of equipment	
2 probable transporter erectors	
5 vehicles/pieces of equipment	
2 probable transporter erectors	
6 vehicles/pieces of equipment	
6 vehicles/pieces of equipment	
2 trucks	
3 vehicles/pieces of equipment	
2 trucks	
3 vehicles/pieces of equipment	
6 trucks	10 trucks
3 vehicles/pieces of equipment	
2 transporter erectors	
1 vehicle/piece of equipment	
2 transporter erectors	2 vehicles/pieces of equipment
2 vehicles/pieces of equipment	
2 transporter erectors	1 vehicle/piece of equipment
2 vehicles/pieces of equipment	
1 truck	
1 small van trailer	
1 small open trailer	
1 vehicle/piece of equipment	



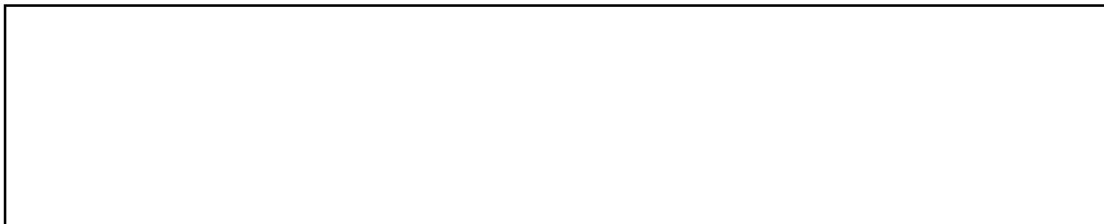
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REFERENCES

IMAGERY

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MAPS OR CHARTS

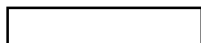
SAC. USATC 200, Sheet 0287-16HL, 2d ed, Apr 68, scale 1:200,000 (SECRET)

DOCUMENTS

1. NPIC. TCS-80345/67, SSM Housing and Support Area and Operational Support Facilities Shuang-cheng-tzu Missile Test Center, China, Jun 67 (TOP SECRET RUFF)

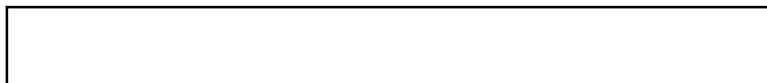
REQUIREMENT

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